

**AMENDMENTS TO THE CLAIMS**

1-12. (cancelled)

13. (currently amended) Amphipathic block copolymer particles prepared by ~~polymerizing a plurality of components comprising:~~

polymerizing an first unsaturated monomer containing a hydrophilic moiety, ~~polymerized~~ through an ATRP process to form a first polymer, and

copolymerizing an second unsaturated monomer containing a hydrophobic moiety, ~~polymerized~~ with the first polymer in an emulsion;

~~wherein the~~ to form amphipathic block copolymer particles having a size range of 50-500 nm, and a polydispersity index in the range of 1-1.2.

14. (currently amended) The amphipathic polymer particles of claim 13, further comprising a polymerizable dye moiety, polymerized with the first unsaturated monomer through the ATRP process.

15. (currently amended) The amphipathic polymer particles of claim 13, further comprising a cross linker copolymerized with the second unsaturated monomer and the first polymer in the emulsion.

16. (previously presented) The amphipathic polymer particles of claim 13, wherein the content of the hydrophobic moiety is in the range of 30% to 99% by weight, the content of the hydrophilic moiety is in the range of 1% to 60% by weight.

17-23. (cancelled)